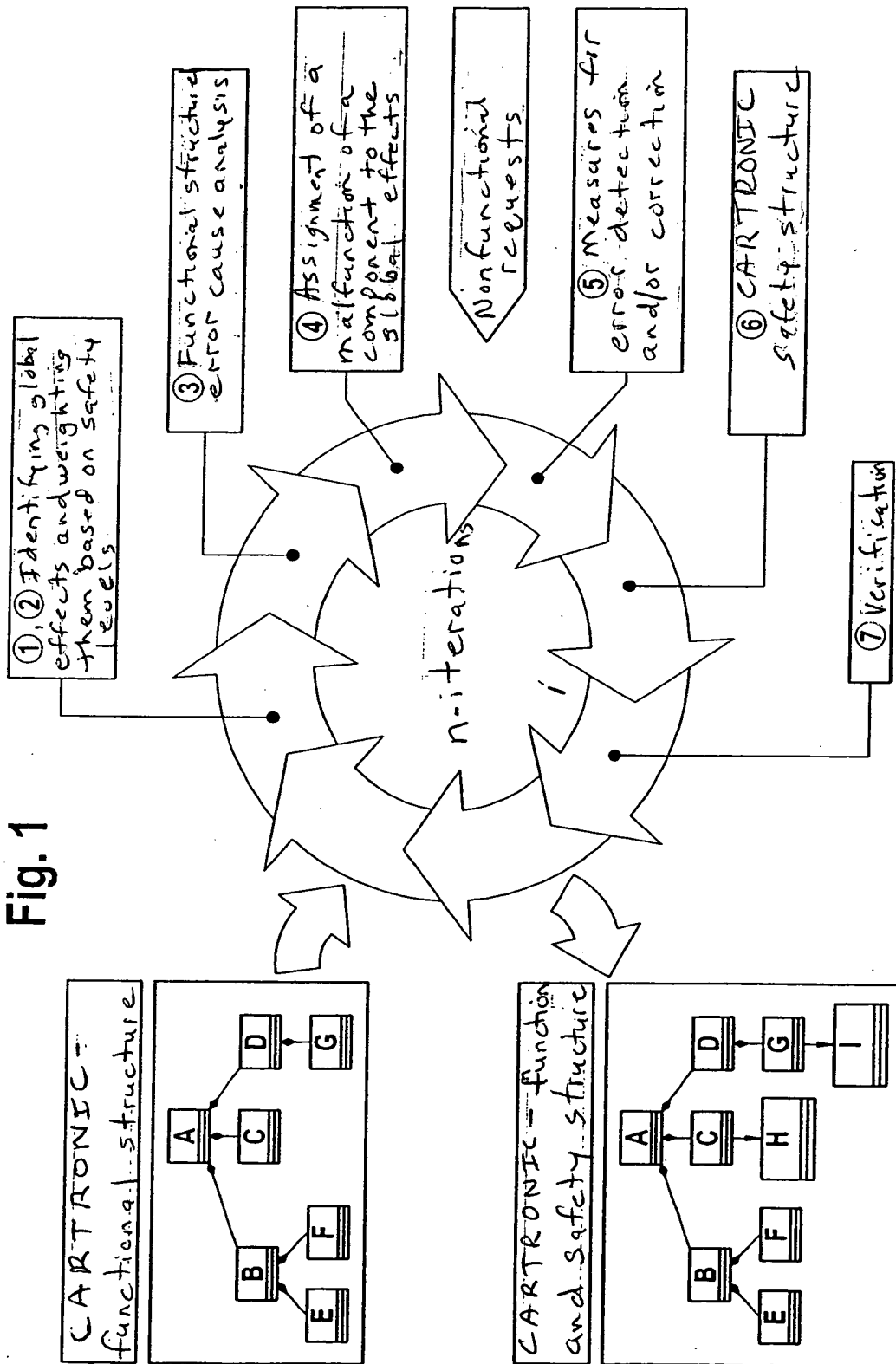


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Fig. 1



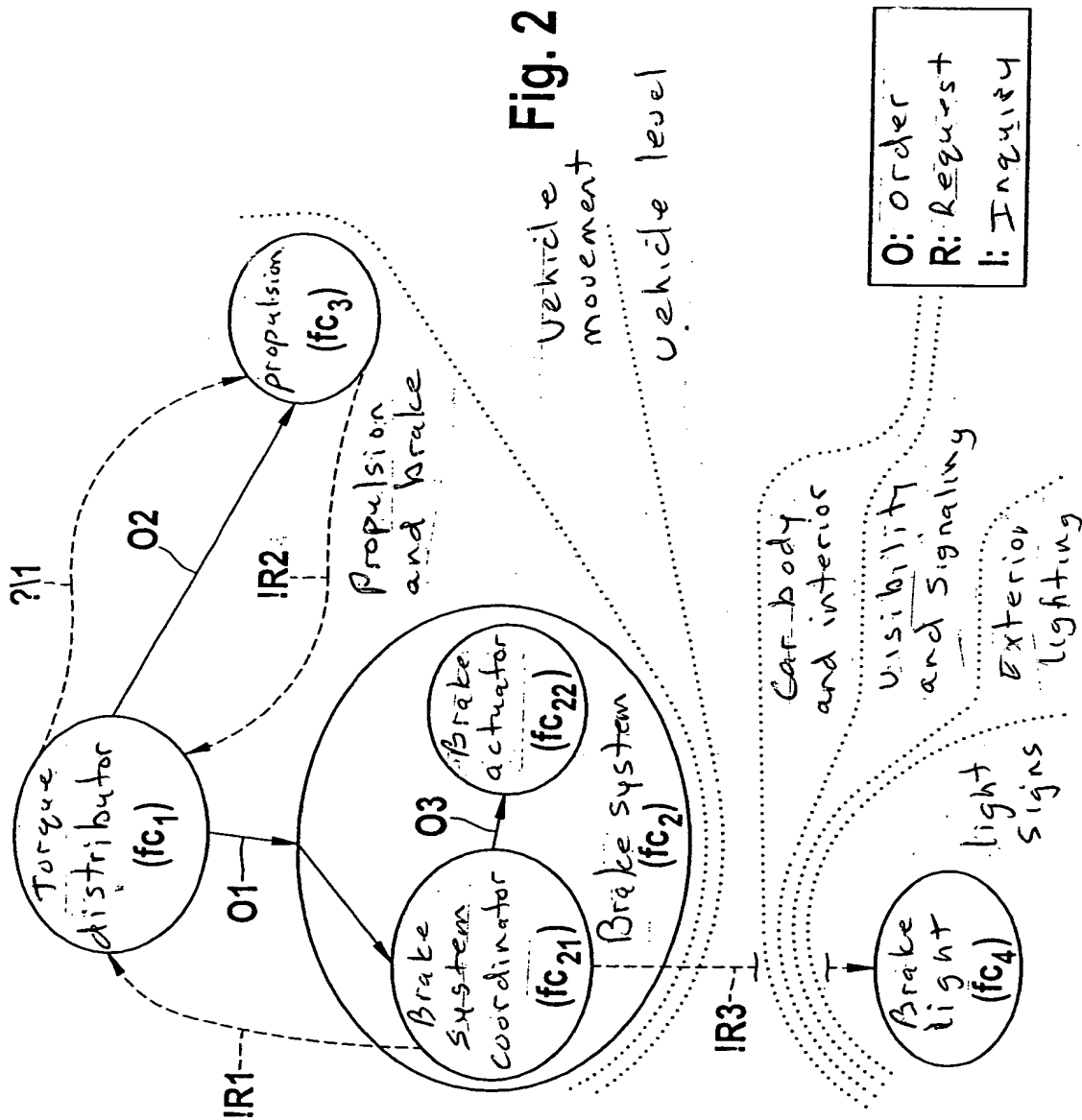
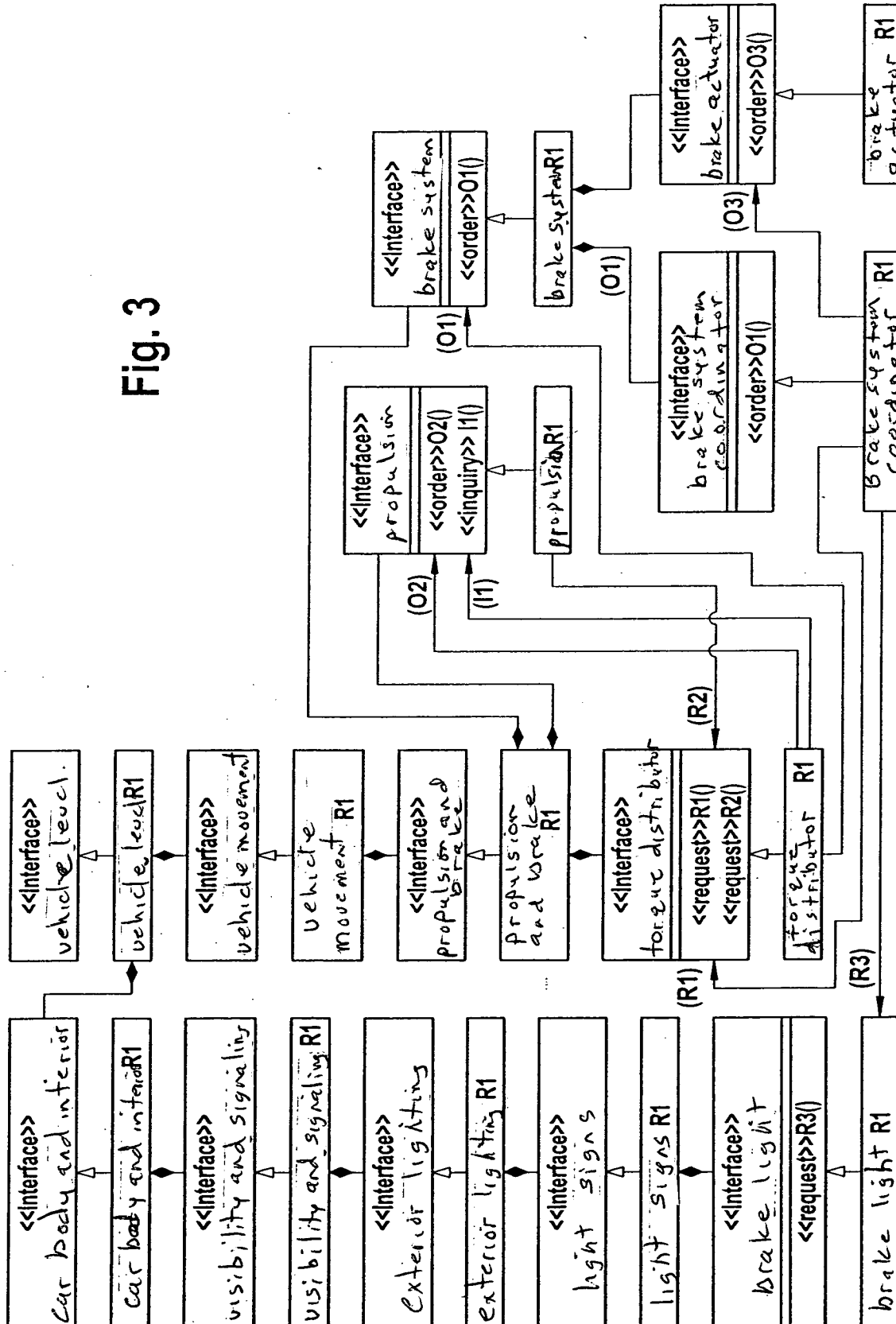


Fig. 3



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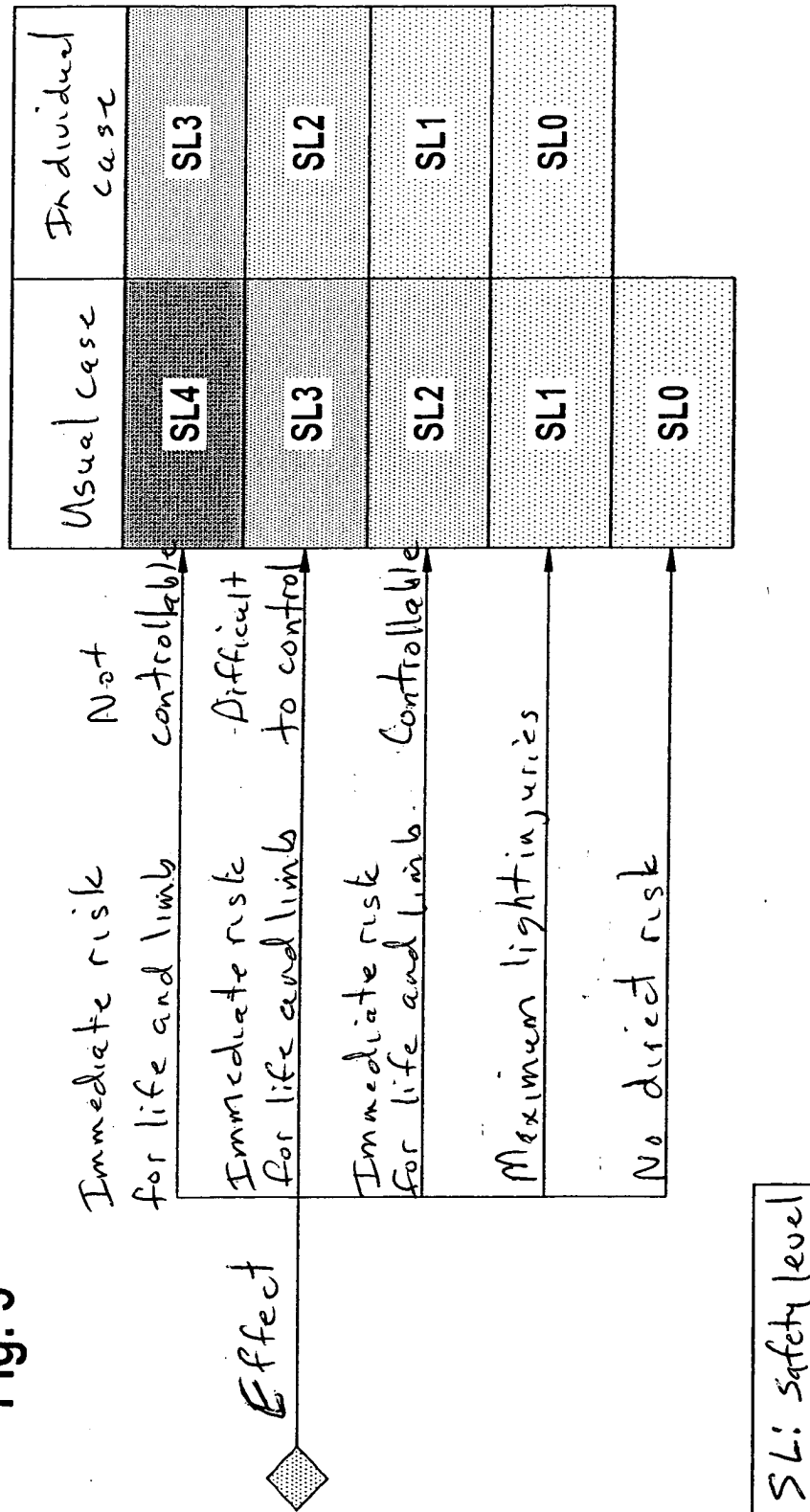
Fig. 4

Global effects 100100	Acceleration effect			Braking effect		Signaling	
	Uncontrolled acceleration		No acceleration	No braking effect	Too little braking effect	No display	Continuous display
	too great	too weak					

Global effects →

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Fig. 5



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Fig. 6

Global effects	Acceleration effect			Braking effect		Signaling	
	uncontrolled acceleration		No acceleration	No braking effect	Too little braking effect	No display	Continuous display
	Acceleration too great	Acceleration too weak					
SL	3	1	1	4	3	1	1

SL	Acceleration effect		Braking effect			Signaling		Main function	Functional structure	fc1			fc2			fc3			fc4		
	2	1	No braking effect	Too little braking effect	No display	Continuing display	C			M	C	M	C	M	C	M	C	M	C	M	
1								fc1		x	R_R1 R_R2 I_I1										
2								fc2			x	O_01									
3									fc21				x	O_01							
4									fc22						x	O_03					
5								fc3									x	O_02			
6								fc4											x	R_R3	

Columns C and M in the Functional structure stand for:

C: Component
M: Message

Fig. 7

The following abbreviations are used for the components:

fc1 → torque distributor
fc2 → brake system
fc21 → brake system coordinator
fc22 → brake actuator
fc3 → propulsion
fc4 → brake light

SL	Acceleration effect		Braking effect		Signaling		Machinist's compartment	fc1	fc2						fc3		fc4								
	2	1	No braking effect	Too little braking effect	No display	Continuation display			fc21			fc22			C	M		C	M	C	M				
									C	M	C	M	C	M								C	M	C	M
							fc1	x	R_R1 R_R2 I_I1				x	O_01											
							fc2	x	R_R1 R_R2 I_I1																
							fc21	x	R_R1 R_R2 I_I1																
								x	R_R1 R_R2 I_I1																
							fc22	x	R_R1 R_R2 I_I1																
								x	R_R1 R_R2 I_I1																
							fc3	x	R_R1 R_R2 I_I1																
							fc4	x	R_R1 R_R2 I_I1																

Columns C and M in the functional structure stand for:

C: Component
M: message

Fig. 8a

The following abbreviations are used for the components:

fc1 → torque distributor fc22 → brake actuator
fc2 → brake system fc3 → propulsion
fc21 → brake-system coordinator fc4 → brake light

Effects 1001	Acceleration effect		Braking effect		Signalings		Main function	structure	fc1			fc2			fc3			fc4		
	2	1	No braking effect	Too little braking	No display	Continuous display			fc1	fc2	fc3	fc4	fc21			fc22				
													C	M	I	C	M	I	C	M
SL	x	x	x	x	x	x	fc1	x	R_R1 R_R2 I_I1			x	O_O1			x	O_O2			
	x	x	x	x	x	x	fc2	x	R_R1 R_R2 I_I1							x	O_O2			
	x	x	x	x	x	x	fc21	x	R_R1 R_R2 I_I1						x	O_O1				
								x	R_R1 R_R2 I_I1							x	O_O1			
							fc22	x	R_R1 R_R2 I_I1						x	O_O1		O_O3 R_R1		
								x	R_R1 R_R2 I_I1							x	O_O1			
							fc3	x	R_R1 R_R2 I_I1						x	O_O1				
							fc4	x	R_R1 R_R2 I_I1						x	O_O1				
															x	O_O2				
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Columns C and M in the functional structure stand for:

C: component

M: message

Fig. 8c

The following abbreviations are used for the components:

fc1 → torque distributor fc22 → brake actuator
 fc2 → brake system fc3 → propulsion
 fc21 → brake system coordination fc4 → brake light

SL	Acceleration effect		Braking effect		Signaling		SL	Main Functions	fc1			fc2			fc3		fc4
	2	1	4	3	No braking effect	No display	continuous display		C	M	C	M	C	M	fc21	fc22	
X	X	X	X	X	X	X	X	fc1	X	R_R1 R_R2 I_I1				X	O_O1		
X	X	X	X	X	X	X	X	fc2	X	R_R1 R_R2 I_I1			X	O_O1			
X	X	X	X	X	X	X	X	fc21	X	R_R1 R_R2 I_I1				X	O_O1		
			X	X				fc22		I_I1 R_R1 R_R2 I_I1				X	O_O1	X	O_O2
X	X	X	X	X	X	X	X	fc3	X	R_R1 R_R2 I_I1				X	O_O1		
					X	X	1	fc4	X	R_R1 R_R2 I_I1				X	O_O1	X	O_O2
																	R_R3

Columns C and M in the functional structure stand for:

C: Component

M: message

Fig. 8d

the following abbreviations are used for the companies

fc1 → torque distributor
fc2 → brake system
fc21 → brake system coordinator
fc22 → brake actuator
fc3 → propulsion
fc4 → brake light

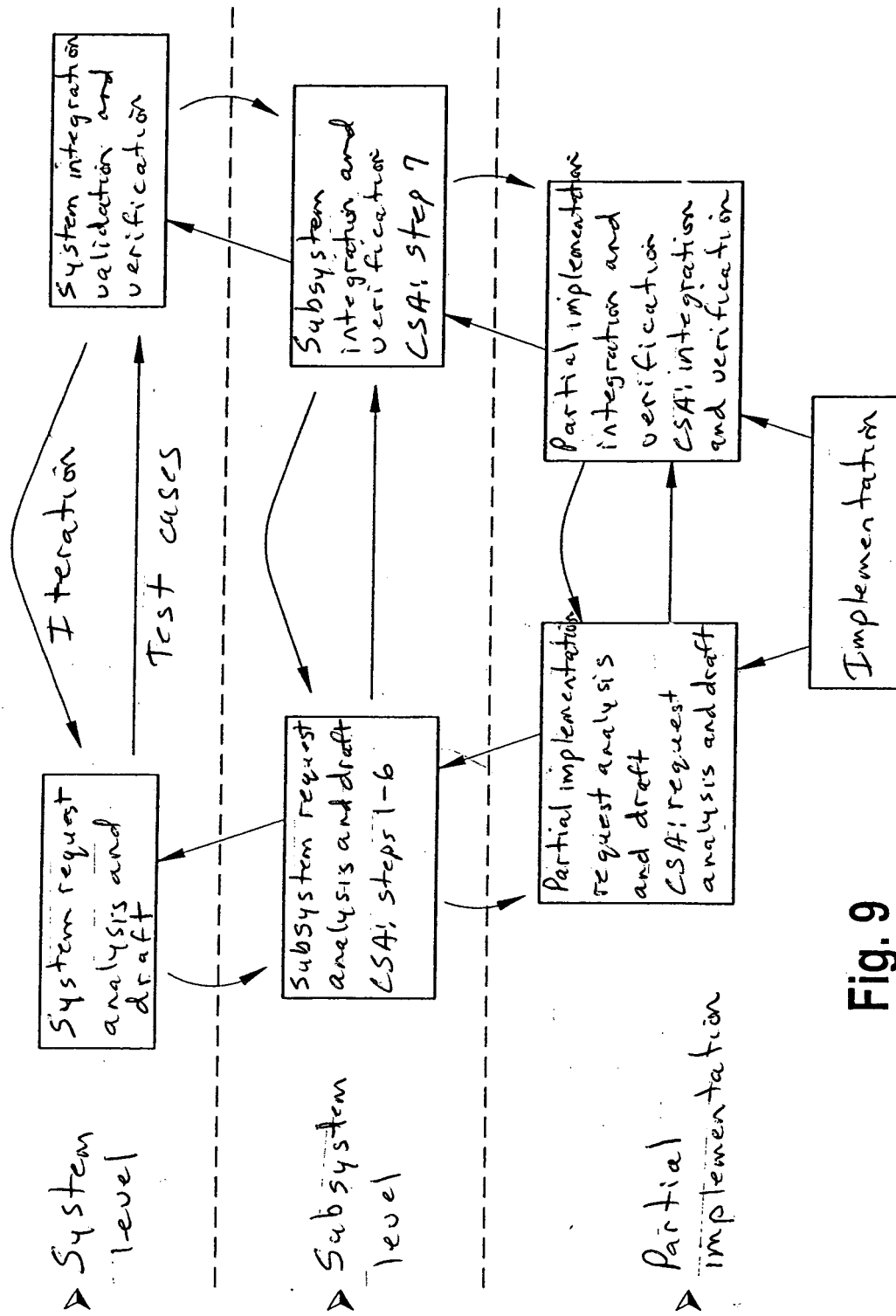


Fig. 9